

EPR studies of cerium dioxide nanoparticles

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Abstract

© Springer (India) Pvt. Ltd. 2017. This chapter intends to provide a review of EPR spectroscopic characterization of ceria nanoparticles. It covers recent EPR applications to investigate the synthesis, local structure, and distortion of ceria nanoparticles. Room temperature ferromagnetism, toxicological screening, free radical scavenging properties, catalytic effects, and some other properties of ceria nanoparticles as studied by EPR are also included in this chapter.

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